Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/09/2018 10:44 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125740	0	1.66	125802	1.66
Blue	F	SSC	125000	125237	0	1.83	125955	1.88
Blue	E	FITC	15760	15531	-2	2.87	335	22.15
Blue	D	PE	25880	25387	-2	1.94	553	16.76
Blue	B	PerCP-Cy5-5	34075	34132	0	4.16	1043	22.14
Blue	A	PE-Cy7	22776	22860	0	7.37	548	44.78
Red	C	APC	42488	41848	-2	2.77	1585	13.62
Red	A	APC-Cy7	24478	24036	-2	2.91	821	13.03
Violet	B	V450	6304	6158	-3	4.13	343	17.35
Violet	A	V500	26005	24953	-5	3.66	584	12.64

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20957	7.54	605	8	N/A	N/A	Pass
Blue	F	SSC	56724	1.32	572	17	N/A	N/A	Pass
Blue	E	FITC	58	70.60	560	4	0.0155	111	Pass
Blue	D	PE	115	57.16	553	4	0.1245	278	Pass
Blue	B	PerCP-Cy5-5	198	53.91	653	6	0.0078	77	Pass
Blue	A	PE-Cy7	109	106.97	706	9	0.0092	18	Pass
Red	C	APC	372	28.24	603	3	0.0186	84	Pass
Red	A	APC-Cy7	202	29.48	574	3	0.0048	1420	Pass
Violet	B	V450	54	80.63	491	2	0.0290	2394	Pass
Violet	A	V500	87	43.99	507	1	0.0145	1068	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.93	-31.37	0.96
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.39
Red	15.74	13.60 - 20.40	N/A	N/A	31.08	31.79	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 12677

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments